



MATH PROBLEM OF THE WEEK

Fall 2025

Problem 2

A milkman has an 8L container filled with milk. In addition, he has a 5L container and a 3L container, both empty. A buyer asks him for 4L of milk. Is it possible to separate 4L of milk using only the containers the milkman has? Justify your answer.

We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of \$500.

Solutions must be mathematically rigorous and originally obtained by the participants. Participants will be notified if their solutions are correct within a week.

Deadline: Monday, October 6, 10 am

Next problem will be posted on October 6

Send solutions to: mathpotw@nmsu.edu

More information at: <https://math.nmsu.edu/activities/math-problem-of-the-week.html>